

6133 BATTERY GAUGE INSTRUCTION MANUAL

Product description

1. Ternary Li-L measurement from L03 string to L20 string (power-off memory)
2. Lead-acid battery P measurement: DC12V, 36V, 48V, 60V, 72V, 84V (power-off memory)
3. Lithium iron battery F measurement from F03 string to F23 string (power-off memory)
4. Custom setting high and low voltage range: DC8-100V

Parameter description

Voltage detection range DC8-100V	Operating current ≤15mA	How It is displayed LCD screen
Detection accuracy ±1%	Refresh speed 500ms/time	Cut-out size 58.5*28.5mm
Display color Blue/White/Color (optional)	Form factor 61.3*33.3*13.5mm	

Parameter settings

Enter the settings interface: On the main page, press and hold the button in the upper right corner for 2 seconds to enter the mode setting page.

Exit the settings interface: Press and hold the button in the upper right corner for 2 seconds to exit the settings page and return to the main page.

Mode 1—Lead acid P setting

Lead-acid batteries



On the lead-acid battery settings page, the voltage value flashes, short press the lower right button to select the battery voltage that needs to be used, after selecting the voltage, short press the upper right corner button to confirm and save the value (voltage value is always on), long press the upper right corner button for 2 seconds to return to the main page, you can also press the upper right corner button for other mode settings.

Mode 2—Ternary lithium L setting

Ternary lithium battery



On the ternary lithium battery battery setting page, the battery string value flashes, short press the lower right button to select the number of battery strings you need to use, after selecting the number of battery strings, short press the upper right corner button to confirm and save the value (the battery string value is always on), long press the upper right corner button for 2 seconds to return to the main page, you can also press the upper right corner button for other mode settings.

Mode 3—Lithium iron F setting

Lithium iron battery



On the iron lithium battery setting page, the battery string value flashes, short press the lower right button to select the number of battery strings you need to use, after selecting the number of battery strings, short press the upper right corner button to confirm and save the value (the battery string number value is always on), long press the upper right corner button for 2 seconds to return to the main page, you can also press the upper right corner button for other mode settings.

Mode 4—Custom high and low voltage settings: custom low voltage and saturation voltage, display 00.0 000
The left number is the low voltage parameter, and the right number is the saturation voltage parameter

Customize high and low pressure settings

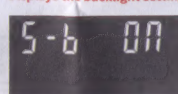


On the custom high and low voltage setting page, 00.0 on the left side is low voltage, 000 on the right side is saturated voltage, short press the lower right button to set the bit value, after the bit value is set, long press for 2 seconds The lower right corner button shifts, after the low voltage and saturated voltage are set, short press the upper right corner button to confirm and save the value (all values are always on), long press the upper right corner button for 2 seconds to return to the main page, you can also press the upper right corner button for other mode settings.

Tip: 000 on the right is actually 00.0, for example, 255 shows 25.5.

Mode 5—Backlight settings: display 5-b, short press the lower right button to switch ON/OFF, ON is to automatically turn off the backlight after a delay of 10S, OFF is the backlight is always on

Displays the backlight settings



On the backlight setting page, ON/OFF flashes, press the lower right button to select ON or OFF, ON: The display is automatically delayed for 10 seconds and then turns off, OFF: The display is always on, press the button in the upper right corner to confirm and save the options, press and hold the button in the upper right corner for 2 seconds to return to the main page, or you can press the button in the upper right corner to set other modes.

Mode 6—Low voltage alarm setting: display 00.0V Lo, left is the alarm voltage parameter (alarm when the voltage is lower than this parameter)

Low voltage alarm setting

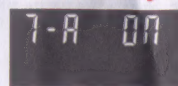


On the low voltage alarm setting page, the left side 00.0 is the setting value, short press the lower right button to set the bit value, after the bit value is set, long press for 2 seconds the lower right corner button shifts, after the alarm voltage is set, short press the upper right corner button to confirm and save the value (all values are always on), long press the upper right corner button for 2 seconds to return to the main page, you can also short press the upper right corner button for other mode settings.

Note: If the user does not customize the low voltage alarm parameters, then the default battery of the product is less than 10% automatic alarm prompt.

Mode 7—Alarm sound setting: display 7-A, short press the lower right button to switch ON/OFF, ON is to turn on the alarm sound function, OFF is to turn off the alarm sound function (This function needs to be selected when purchasing)

Alarm sound settings



On the alarm sound setting page, ON/OFF flashes, press the button in the lower right corner to select ON or OFF, ON: turn on the alarm sound, OFF: alarm sound off, Press the button in the upper right corner to confirm and save the options, press and hold the button in the upper right corner for 2 seconds to return to the main page, or you can press the button in the upper right corner to set other modes.

Note: There are two kinds of lithium batteries (ternary lithium L and iron lithium F), teach everyone to distinguish; First of all, the battery is fully charged first, the saturation voltage of a string of ternary lithium batteries is DC4.2V, and the saturation voltage of a string of iron lithium batteries is DC3.6V; for example: the saturation voltage displays 84V (20 strings), which is a ternary lithium battery, and then select parameters according to the setting mode of the ternary lithium battery.

6133 电量检测仪使用说明书

产品说明

- 三元锂电 L 测量从 L03 串至 L20 串(断电记忆)
- 铅酸电池 P 测量: DC12V、36V、48V、60V、72V、84V(断电记忆)
- 铁锂电池 F 测量从 F03 串至 F23 串(断电记忆)
- 自定义设置高低电压范围: DC8-100V

参数说明

电压检测范围 DC8-100V	工作电流 ≤15mA	显示方式 LCD 屏幕
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检测精度 ±1%	刷新速度 500MS/次	开孔尺寸 58.5*28.5mm
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显示颜色 蓝色/白色/彩色(可选择)	外形尺寸 61.3*33.3*13.5mm
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参数设置

进入设置界面: 在主页面上长按右上角按键 2 秒, 进入模式设置页面。

退出设置界面: 长按 2 秒右上角按键退出设置页面并返回主页面。

模式 1--- 铅酸 P 设置

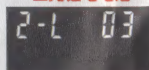
铅酸电池



在铅酸电池设置页面, 电压数值闪烁, 短按右下角按键选择需要使用的电池电压, 选择好电压后, 短按右上角按键确认并保存数值 (电压数值常亮), 长按 2 秒右上角按键返回主页面, 也可以短按右上角按键进行其他模式设置。

模式 2--- 三元锂 L 设置

三元锂电池



在三元锂电池设置页面, 电池串数数值闪烁, 短按右下角按键选择需要使用的电池串数, 选择好电池串数后, 短按右上角按键确认并保存数值 (电池串数数值常亮), 长按 2 秒右上角按键返回主页面, 也可以短按右上角按键进行其他模式设置。

模式 3--- 铁锂 F 设置

铁锂电池



在铁锂电池设置页面, 电池串数数值闪烁, 短按右下角按键选择需要使用的电池串数, 选择好电池串数后, 短按右上角按键确认并保存数值 (电池串数数值常亮), 长按 2 秒右上角按键返回主页面, 也可以短按右上角按键进行其他模式设置。

模式 4--- 自定义高低压设置: 自定义低电压和饱和电压, 显示 00.0 000
左边数字是低电压参数, 右边数字是饱和电压参数

自定义高低压设置

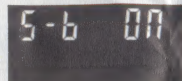


在自定义高低电压设置页面, 左侧 00.0 是低电压, 右侧 000 是饱和电压, 短按右下角按键设置位数, 位数设置好后, 长按 2 秒右下角按键移位, 低电压和饱和电压都设置好后, 短按右上角按键确认并保存数值 (所有数值常亮), 长按 2 秒右上角按键返回主页面, 也可以短按右上角按键进行其他模式设置。

提示: 右侧 000 实际是 00.0, 比如 255 显示是 25.5。

模式 5--- 背光设置: 显示 5-b, 短按右下角按键切换 ON/OFF, ON 是延时 10S 后自动关闭背光, OFF 是背光常亮

显示背光设置



在背光设置页面, ON/OFF 闪烁, 短按右下角按键选择 ON 或者 OFF, ON: 显示屏自动延时 10 秒后关闭,

OFF: 显示屏常亮, 短按右上角按键确认并保存选项, 长按 2 秒右上角按键返回主页面, 也可以短按右上角按键进行其他模式设置。

模式 6--- 低压报警设置: 显示 00.0V Lo, 左边是报警电压参数(电压低于此参数时报警)

低压报警设置

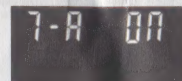


在低压报警设置页面, 左侧 00.0 是设置数值, 短按右下角按键设置位数, 位数设置好后, 长按 2 秒右下角按键移位, 报警电压设置好后, 短按右上角按键确认并保存数值 (所有数值常亮), 长按 2 秒右上角按键返回主页面, 也可以短按右上角按键进行其他模式设置。

注意: 如果用户没有自定义设置低电压报警参数, 那么产品默认电量低于 10% 自动报警提示。

模式 7--- 报警声音设置: 显示 7-A, 短按右下角按键切换 ON/OFF, ON 是打开报警声音功能, OFF 是关闭报警声音功能(此功能购买时需选择)

报警声音设置



在报警声音设置页面, ON/OFF 闪烁, 短按右下角按键选择 ON 或者 OFF, ON: 打开报警声音, OFF: 报警声音关闭,

短按右上角按键确认并保存选项, 长按 2 秒右上角按键返回主页面, 也可以短按右上角按键进行其他模式设置。

注意: 关于锂电池有两种 (三元锂 L 和铁锂 F), 教大家区分一下: 首先把电池先充饱电, 三元锂电池一串饱和电压是 DC4.2V, 铁锂电池一串饱和电压是 DC3.6V; 举个例子: 饱和电压显示 84V (20 串), 这个就是三元锂电池, 再按照三元锂电池的设置模式选择参数。